

A FEW YEARS AGO

Cane Land and Crops as Viewed
Here in 1882.

FIGURES LOOK ODD NOW

No Pumps in Those Days—No Up-
land Cultivation—Calculating on
the Best Possibilities.

Capt. E. O. White found a few days ago in a collection of old documents in an abandoned desk at Hall & Son's hardware establishment a pamphlet entitled "The Sugar Producing Capacity of the Hawaiian Islands." The imprint gave the name of a firm that was never in business in Honolulu. There was no name of author. There was no date. In fact, there was nothing to indicate the origin of the brochure or its use or place of publication. Professor W. D. Alexander was consulted, and at once identified the work. He told an Advertiser representative that the pamphlet had been published at Washington by Col. Z. S. Spaulding, in 1882, for circulation in the lobby and amongst members of Congress at a time when the reciprocity treaty was in danger.

The pamphlet is a most careful and elaborate statement directly under the heading, and while the statements appear ridiculous at this time, they were no doubt honestly made by Col. Spaulding and others interested in the publication. This table is given, "Showing the areas of sugar lands and production, present and possible, in the Hawaiian Islands":

Name of Island	Area now in cane	Area now in sugar	Area now in other crops	Annual yield in tons
Hawaii	30,000	40,000	12,000	15,000
Molokai	12,000	14,000	5,000	7,500
Oahu	3,000	5,000	1,500	2,000
Kauai	10,000	12,000	4,000	5,000
Total	55,000	71,000	22,500	29,500

This was in 1882. The production was 57,000 tons. The estimated possible output for any year for all time was 84,000 tons. There are two of the sixty estates of the Islands that will send to the refineries in this campaign very close to 57,000 tons, and one of the ones in mind is on Oahu and will produce nearly ten times the amount of sugar that was produced here in 1882. The possible 4000 tons for Oahu will cause Manager Renton of Ewa, Manager Ahrens of Oahu, Manager Weight of Kalaheo, Manager Goodale of Wailua, and the manager of Waianae to smile audibly. All these estates are on Oahu.

In 1882 the output was 57,000 tons. The estimate of production for the campaign now in progress is 274,000 tons. This calculation was made at the meeting of the planters some months ago, but is quite close.

In the little book is a well-prepared and excellently engraved map of each island. The cane land as developed and possible is shown in red color. Before the work of Col. Spaulding and his co-authors and contributors is criticized, it must be remembered that there was in 1882 no thought of the possibilities that would open out in the introduction of such pumps as are in use with the irrigating plants of today. The pumps had not yet been designed. Artesian well exploitation was in its infancy, and the extent of the deep underground supply of water was uncertain. There was no thought of the cultivation of miles of uplands now in cane. Very little was known of fertilization. While the planters were improving their mill plants, there was little or no scientific farming as it is understood today.

The 1882 figures on cane land areas are fearfully out of joint. There are about half a dozen plantations of today with greater acreage than the whole of the land "cropped" so recently as 1882. There are three or more plantations of nearly the area of each of the "possible" estimates of 1882.

The report says of sugar lands on Oahu:

"This island contains but a very small amount of land upon which cane can be raised. Three plantations of very moderate size and two very small ones comprise the whole of it. In the center of the island is a very extensive tract where the soil seems good and sufficient, but it is under the lee of the eastern mountain range, and would have to be heavily irrigated, and there is no water except such as is already employed by existing cane fields. The total acreage at present cultivated is 3000 acres. The three existing large plantations may be capable of slight enlargement."

There are eight plantations on Oahu, with probably one under 5000 acres.

Of Hawaii it is said in the book "Irrigation is impossible. The entire possible area is under cultivation.

There are certain circumstances, including the enormously expensive expenditure of building a railway, that might make it possible to have 10,000 to 12,000 acres in cane. The ravines and the lava flows restrict the possible fields."

Oahu, a new plantation on Hawaii, has several times the "possible acreage of 10,000 or 12,000 acres," and will, in a few years, have a crop of 60,000 acres of sugar.

Says the pamphlet in treating of Maui:

"The sugar lands of this island are nearly all on the windward side. With one exception they require irrigation. The water available for irrigation appears to be utilized at present to its full capacity. A single plantation at the eastern extremity of the island is perhaps capable of some expansion, and it has not hitherto been found necessary to irrigate. Beyond this any further extension of the sugar area, except by adding nooks and corners and forcing the capacity of the irrigating water, seems impracticable. The total acreage now cultivated for sugar is about 12,000 acres."

The H. C. Company, Maui, has about 40,000 acres of land, and Kilauea about the same.

There was no pumping of water for irrigation on Kauai in 1882, and Mr. Bryde was not even a dream, for Col. Spaulding then wrote:

"This is often called the Garden Island. There is probably a larger percentage of arable land upon it than upon the others, and much of this is already utilized. Irrigation is in all cases necessary, and there are several large streams only partially utilized. But owing to the fact that these streams are located in immense gorges of great abruptness, the practicability of diverting them upon the land seems doubtful. In any case the expense would be enormous, and even if it were successfully accomplished it is further doubtful whether the lands so irrigated would be extensive enough to insure under any circumstances a fair return upon so large an outlay. Such waters as are at present available are already employed to their full capacity, and the sugar lands are apparently incapable of further enlargement, except by incurring the excessive outlay first referred to."

DR. JOHN S. TRACY.

Hilo Physician Dies at the Queen's
Hospital, Honolulu.

(From Thursday's Daily.)

Dr. John S. Tracy, who has been practicing in Hilo for some time, died at the Queen's Hospital yesterday morning. Death was due to tuberculosis, with which the deceased had been afflicted for some time. Dr. Tracy was forty-one years of age at the time of his death. Two years ago he was given a license to practice in these islands, and took up his residence in Hilo. About a year ago his health failed, and he took a trip to the coast. A short time ago he came from Hilo to Honolulu for treatment in the Queen's Hospital, where he was attended by Dr. F. R. Day. His wife has been with him continuously.

The funeral will take place tomorrow afternoon at 3 o'clock, from the Roman Catholic Cathedral.

A New Pressman.

Allen Dunn, who came to the Islands with the Janet Waldorf theatrical company, has decided to remain and become a Honoluluite.

Mr. Dunn, as assistant editor and artist, will be associated hereafter with Franklin Austin in the publication of Mr. Austin's new weekly paper. Mr. Dunn has had the benefit of training on English and American papers. He was one of the first newspaper artists to have a position at Denver, Col., when the dailies of that place began to illustrate. Dunn was signing "A. D." to his work on the Rocky Mountain News when Bert Cassidy was using the signature "B. C." The famous Steele, now of the Denver Post, was the third member of the well-known trio. Mr. Dunn was forced to quit newspaper illustration on account of injury to his eyes, and went into the theatrical business, for which he always had a liking. He is a fine scene painter.

REV. "BOB" BURDETTE.

LOS ANGELES June 29.—The Rev. Robert J. Burdette has been called to the permanent pastorate of the First Presbyterian Church of Pasadena. Mr. Burdette has been supplying the pulpit of this church for some time, and the people liked his ministry so well that, despite the fact that he is a Baptist in belief, they decided to ask him to minister to their spiritual wants permanently.

"I have used Chamberlain's Cough Remedy in my family for years and always with good results," says Mr. W. B. Cooper of El Paso, Cal. "For small children we find it especially effective." For sale by Benson, Smith & Co., Ltd., wholesale agents for H. I., and all druggists and dealers.

C. L. Clement, the advertising man, has issued a pocket table giving movements of ocean steamers.

FACE OF MR. WADE

A Picture of the Man Who
Killed Gillespie.The Tragedy on Board the S. S. Australia—A Prisoner to be Tried
for His Life.

This is an excellent likeness of George Wade, who a few weeks ago was the central figure in a tragedy aboard the S. S. Australia just as the local liner was leaving this port. Wade, the chief cook, wanted to kill Turner, the ice house man. Both are negroes. Turner escaped unhurt. A bullet from Wade's revolver struck Gillespie, a waiter, who died in the



GEORGE WADE.

Queen's hospital here from the effects of the wound. It appears that the trouble between Wade and Turner had been on account of Wade's belief that he might be superseded in his position by Turner. Wade was placed under arrest only after he had been wounded with a rifle handled by Officer Harry Evans. Wade had been drinking. Wade is in Oahu prison. He has had a preliminary hearing and has been committed for trial in the Circuit Court on the charge of murder in the first degree. There has been some talk to the effect that it might be necessary to send the trial of Wade to the Pacific Coast, as the shooting happened on the ship in the offing. Wade has some friends here, being allied to one of the local secret societies. As before stated in the Advertiser, he was at one time engaged to a young and beautiful Hawaiian girl whose name is familiar to the public. She broke the engagement when Wade went out to Manila at the time the Australia was in service as a transport.

ALARMED THE SHIP.

One of the Men of the Sheridan
Lost for Two Days.

There was some excitement on board the Sheridan when a few days out from San Francisco. One of the soldiers was missed. There was general call to quarters and a roll of clothing was found close to one of the boats on the lee rail. No sign of the soldier anywhere. It was finally decided that he had committed suicide and after some hours the transport officers settled down to this conviction. Papers were made out certifying to the death by falling overboard. Not until two days later did the soldier make his appearance. He crawled out of one of the life boats hung above the deck and covered with canvas, where no one had searched. It was a joke on the officers. The finale was the incarceration of the funny man in the brig, where he whined away the rest of the voyage.

Instructor in Athletics.

"Bert" Collins, of the Argentine Republic training ship, is the guest while the vessel is here of his old chum of the Olympic Club, C. A. Graham. The pair were friends and intimates in San Francisco for years. Mr. Graham is with the Honolulu Iron Works here, and Mr. Collins has a choice assignment on the Argentine vessel. Mr. Collins has signed for the cruise as athletic instructor to the officers, and gives lessons in boxing, etc., daily. The San Francisco member of the ship's company is strictly an amateur. He was recommended for the post by the best authorities of the club, and so far is well pleased with the position. He finds the officers pleasant in the extreme, and is charmed with the prospects of the cruise. The ports of call include Eastern and European places, with the Paris Exposition as one of the many treats.

Wedded in a Seminary.

(From Thursday's Daily.)

Miss Josephine Haman and George Ellis Rugg were married at Kawaiaho Seminary yesterday morning. Miss Kate Watson performed the office of bridesmaid, while Mr. J. MacDonald accompanied the groom. The Dora Atwater and Juliette Atherton were made of honor. A large number of guests were present at the ceremony. The bride has been a teacher at Kawaiaho Seminary for several years. Mr. Rugg was up to recently connected with Kamehameha Schools. The ceremony was performed by Rev. W. M. Kincaid, assisted by Rev. Silas Perry.

ton were made of honor. A large number of guests were present at the ceremony. The bride has been a teacher at Kawaiaho Seminary for several years. Mr. Rugg was up to recently connected with Kamehameha Schools. The ceremony was performed by Rev. W. M. Kincaid, assisted by Rev. Silas Perry.

Island Wireless Telegraphy.

KINGSTON, Jamaica, June 19.—The Government of Trinidad has decided to adopt the Marconi system of wireless telegraphy for communication with the dependency of Tobago. Tobago is an island in the Windward group of the British West Indies, thirty-two miles long by twelve wide, twenty-four miles northeast of Trinidad. It was ceded to Great Britain by France in 1763.

This gives further substance to the plan of F. J. Cross for the establishment of wireless telegraphic communication between the islands of this group.

FUNERAL HELD.

Services Over the Remains of the
Late Edward D. West,
(From Thursday's Daily.)

The funeral of the late Edward D. West took place yesterday afternoon from the family residence, Palama, and was very largely attended by the friends of the family. The flowers were extremely beautiful and there were many floral devices. The Rev. Alex. Mackintosh conducted the services in an impressive manner. The choir of the Second Congregation of St. Andrew's Cathedral rendered the hymns "Jesus, Lover of My Soul," and "Just As I Am Without One Plea," the accompaniment being played on the piano by Wray Taylor. The pallbearers were: Col. G. W. Macfarlane, Wm. Auld, F. W. Wundenberg, C. W. Macfarlane, Bruce Cartwright, G. P. Wilder, Hay Wodehouse and G. S. Smithies. Ed A. Williams had charge of the funeral and the remains were interred in the Nuuanu cemetery.

TYPHOID AND MALARIA.

In a discussion on typhoid fever occurring among soldiers of the late war with Spain, ten cases of typhoid fever complicated with malaria are mentioned in the New York Medical Journal. There was no doubt about the clinical diagnosis. The majority of the patients had no chills before the typhoid developed, nor until late in the disease, possibly during a relapse. The chill was followed by a marked temperature rise and sweating. The course of the fever was slow in all of these patients, lasting for more than four weeks. One case existed without chills. The practical conclusion is that doctors ought to examine the blood for malarial parasites in all cases of typhoid with prolonged and irregular fever, or with chills, or with frequent relapses. From sixteen to twenty grains of quinine given daily for a few days was found to be sufficient to break up the fever. Smaller doses were then administered to full convalescence.

TO READ THE SHIP'S LOG.

A Swedish inventor has patented an addition to the log, by which its readings may be directly shown in the chartroom or conning tower. The instrument is connected by means of an electric cable to a contact mechanism giving a suitable number of contacts per mile to the part of the instrument that points out the distances on a dial graduated in miles. The instrument points out the miles exactly according to the taffrail log, it registers the miles per hour, and gives, if desired, a signal on an electric bell when a certain distance has been traveled.

AUTOMOBILE GUN CARRIAGE.

The English intend experimenting with an automobile gun carriage for army use. A tricycle, driven by electricity, forms the carriage, and upon it is mounted a service pattern Maxim gun. The weight of the gun and carriage is only about 140 pounds, permitting quick movements and early readiness when in position. The Twenty-sixth Middlesex (cyclists' corps) will conduct the test at the approaching volunteer maneuvers at Aldershot.

TO LOCATE A SHIP.

Professor Marconi has invented an instrument for ascertaining a ship's position in a fog, when it is within range of one of the telegraph stations. It consists of a receiver, which can be revolved, and which, when pointing toward the transmitting station, sets off an electric bell, thus establishing the bearings as accurately as a compass can. The instrument is to be tried on the Channel steamers.

SHAMING DELINQUENTS.

Russian photographers shame delinquent customers by hanging their pictures upside down in their glass cases. This method soon compels them to pay up.

It is folly to suffer from that horrible plague of the night, itching piles. Doane's Ointment cures quickly and permanently. At any chemist's.

TWO BAD SPOTS

Arch Fiends Have Aroused
ed Resentment.Explanations From Liquor Dealers Are in
Order—Chance for the
Lovers of Art.

The Kiloheana Art League here, being the conservator of the aesthetic bent of the community, has a duty at hand, but is too mild-mannered and undemonstrative a body to seize the opportunity. There is some color and perspective and proportion cult here outside the Kiloheana Art League, but it is unorganized, while observing, is gentle and kindly, but is not so reserved of expression as the League.

The unorganized or unauthorized is likely to fuse or amalgamate in some way and make a raid on those triumphal arches at, respectively, the corner of King and Nuuanu and on Port, just above Hotel. All that saves the arch built under the patronage of Jim Dodd and Charles McCarthy is a proper and due respect for the flags which conceal some of the hideousness. It is simply and solely regard for the property rights of others that preserves in its monstrous original state the arch at the corner of King and Nuuanu, the property, so the owners have been compelled to confess, of Lovejoy & Co. and Peacock & Co. The owners of both the mud-colored misfits are liquor dealers. They have been accused already of maintaining the freaks for the purpose of inducing trade. Nightmares less terrifying have driven men to drink. Dodd has very little to say in defense. McCarthy tries to laugh it off, but his laugh is sickly and forced. Rothwell, of Peacock & Co., frankly confesses that he did not know he was contracting for a representation of a mud bank twisted to order. The Lovejoy people plead not guilty. It is claimed that the man who is responsible for the arches left town between two days. He was wise.

It might be a good scheme to get the anti-German flag contingent interested in the general planning to get the arches out of the way. Dodd offers to pay his share of the freight. The artistic sense or sentiment of the community will not stand the arches many more days.

SUCCESS OF MANUAL TRAINING.

(Kansas City Star.)

The second year's trial of manual labor teaching in the Garrison colored school of the city has abundantly justified the wisdom of the experiment. The boys have got on well with the woodwork, and the girls have profited by the winter's course in sewing. The pupils have not lost ground in the scholastic department, but furnish their full proportion of graduates who will enter the high schools. Books have not suffered from the use of chisel and plane, and needle and thimble.

Down Again

in prices is the market for flour and feed, and we follow it closely. Send us your orders and they will be filled at the lowest market price. The matter of 5 or 10 cents upon a hundred pounds of feed should not concern you as much as the quality, as poor feed is dear at any price.

We Carry Only the Best.

When you want the Best Hay,
Feed or Grain, at the Right
Prices, order from

CALIFORNIA FEED CO.

TELEPHONE 121.

CHAS. BREWER & CO.'S
New York Line.

The bark "Nuuanu" will leave New York on or about July 15th, 1899, for Honolulu.

Advances made on shipments on liberal terms. For further particulars, address Messrs. CHAS. BREWER & CO., 27 Kilby street, Boston, or

C. BREWER & CO., LTD.,
Honolulu Agents.

CLARKE'S B 41 PILLS.

Are guaranteed to cure Constipation, Biliousness, Headache, Indigestion, and all other ailments of the bowels. In boxes of 41 pills, each of 41 chambers, and Patent Medicine Vendors throughout the world. Price 25c. The Lincoln and Midland Dispensary, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985